

WHAT IS CLAIMED IS:

1. A silver halide photographic element comprising a support and a silver halide emulsion layer, said emulsion layer being in reactive association with a thiocyanato compound represented by formula I:



(I)

wherein PUG represents a photographically useful group; and wherein upon chemical processing, PUG-SCN releases in a non-image-wise fashion a photographically useful mercaptan, PUG-S.

2. The silver halide photographic element of claim 1 wherein the silver halide emulsion layer is predominantly silver chloride.

3. The silver halide photographic element of claim 2 wherein PUG is a stabilizer or a tone scale modifier.

4. The silver halide photographic element of claim 2 wherein PUG is a substituted or unsubstituted aliphatic group, aromatic group or heteroaromatic group.

5. The silver halide photographic element of claim 2 wherein PUG is an aliphatic group having from 2 to 12 carbon atoms, an aromatic group having from 6 to 20 carbon atoms or a 3- to 15-membered heteroaromatic group.

6. The silver halide photographic element of claim 2 wherein PUG is an aromatic group having 6 to 10 carbon atoms or a 5- to 6-membered heteroaromatic group, with at least one hetero atom selected from nitrogen, oxygen, sulfur, selenium, and tellurium.

7. The silver halide photographic element of claim 2 wherein PUG is a 5- to 6-membered heteroaromatic group, with at least one hetero atom selected from nitrogen, oxygen, sulfur, selenium, and tellurium.

8. The silver halide photographic element of claim 5 wherein PUG is a heteroaromatic group.

9. The silver halide photographic element of claim 6 wherein PUG is a heteroaromatic group.

10. The silver halide photographic element of claim 6 wherein PUG is a substituted or unsubstituted phenyl substituted tetrazole.

11. The silver halide photographic of claim 2 wherein the emulsion layer comprises greater than about 90 mol percent silver chloride.

12. The silver halide photographic element of claim 2 wherein the emulsion layer comprises greater than about 95 mol percent silver chloride.

13. The silver halide photographic of claim 5 wherein the emulsion layer comprises greater than about 90 mol percent silver chloride.

14. The silver halide photographic element of claim 5 wherein the emulsion layer comprises greater than about 95 mol percent silver chloride.

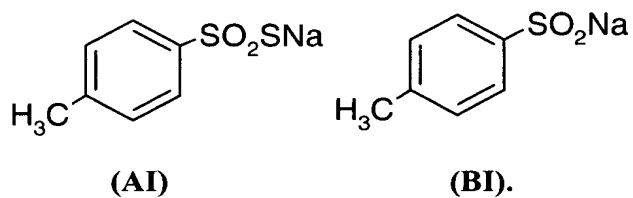
15. The silver halide photographic element of claim 1 containing from about 0.1 to about 5,000 mg per silver mol of the thiocyanato compound.

16. The photographic element of claim 15 containing from about 10 to about 1,000 mg per silver mol of the thiocyanato compound.

17. The photographic element of claim 1 further comprising in reactive association with the silver halide emulsion a compound represented by Formula A (ArSO_2SM) and a compound represented by Formula B (ArSO_2M) wherein Ar is an aromatic group and M is a cationic counterion.

18. The photographic element of claim 17 wherein Ar is an aromatic group having 6 to 10 carbon atoms and M is an alkali metal or an ammonium group.

19. The photographic element of claim 1 further comprising in reactive association with the silver halide emulsion Compound AI and Compound BI:



20. The photographic element of claim 1 wherein the thiocyanato compound is a solid particle dispersion.